



Water-Data Report 2008

08408500 DELAWARE RIVER NEAR RED BLUFF, NM

Lower Pecos Basin
Delaware Subbasin

LOCATION.--Lat 32°01'23.31", long 104°03'16.04" referenced to North American Datum of 1983, Eddy County, NM, Hydrologic Unit 13070002, near center of channel on downstream side of pier of bridge on U.S. Highway 285, 2.1 mi north of the New Mexico-Texas State line, 3.6 mi southwest of Red Bluff, 3.7 mi upstream from mouth, and 14 mi south of Malaga. Mouth at Pecos River mile 405.6.

DRAINAGE AREA.--689 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1912 to September 1913, May 1914 to June 1915, October 1937 to current year. Published as "near Malaga" 1912-13, and as "near Angeles, Tex." 1914-15.

GAGE.--Water-stage recorder with satellite telemetry and rain gage. Elevation of gage is 2,900.66 ft above NGVD of 1929 (U.S. Boundary Commission post). Prior to May 1914, at site 3.0 mi upstream at different datum. May 1914 to June 1915, at site 2.5 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. One small upstream diversion.

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08408500 DELAWARE RIVER NEAR RED BLUFF, NM—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.9	2.1	2.7	2.1	1.9	2.0	1.6	1.3	0.60	1.0	9.3	1.6
2	2.9	2.1	2.7	2.1	2.0	2.0	1.7	1.2	0.59	0.79	2.7	1.6
3	2.9	2.1	2.6	2.1	2.0	1.9	1.7	1.2	0.56	0.46	1.4	1.7
4	2.8	2.1	2.6	2.1	2.0	2.0	1.7	1.2	0.54	0.53	1.1	1.6
5	2.8	2.1	2.7	2.1	2.0	2.0	1.7	1.3	0.53	0.54	0.94	1.4
6	2.7	2.1	2.7	2.1	2.0	2.0	1.7	3.0	0.53	0.55	0.83	1.4
7	2.6	2.1	2.7	2.1	2.0	2.0	1.7	1.4	0.53	0.52	0.77	1.4
8	2.6	2.1	2.7	2.0	2.0	2.0	1.7	1.1	0.52	0.48	0.73	43
9	2.6	2.1	2.7	2.0	2.0	1.9	1.7	1.1	0.53	0.52	0.74	35
10	2.7	2.2	2.9	1.9	2.1	1.9	1.6	1.0	0.54	12	1.1	13
11	2.7	2.2	3.2	1.9	2.1	2.0	1.5	1.0	0.46	7.3	2.2	11
12	2.7	2.2	3.2	1.9	2.2	2.0	1.5	1.0	0.39	5.6	1.1	11
13	2.9	2.2	2.9	2.0	2.2	2.1	1.6	0.98	0.34	4.5	1.6	11
14	e2.7	2.2	2.7	2.0	2.2	2.0	1.6	0.95	0.36	5.6	2.3	17
15	e2.6	2.1	2.7	2.0	2.1	1.9	1.6	0.96	0.33	6.0	1.1	21
16	e2.5	2.2	2.6	2.0	2.1	1.9	1.6	1.0	0.37	3.7	0.88	12
17	e2.4	2.3	2.6	2.1	2.1	1.8	1.5	1.1	0.34	2.9	1.0	8.3
18	e2.4	2.4	2.6	2.0	2.1	1.9	1.4	1.1	0.32	2.6	1.2	6.7
19	e2.3	2.4	2.6	2.0	2.1	1.9	1.4	1.0	0.28	2.4	0.98	5.5
20	e2.3	2.3	2.6	2.0	2.1	1.9	1.4	0.97	0.25	2.2	0.86	5.2
21	e2.1	2.3	2.5	2.1	2.0	1.9	1.4	0.91	0.41	2.1	0.82	4.9
22	e2.1	2.4	2.5	2.1	2.0	2.0	1.4	0.84	0.51	2.0	0.76	4.6
23	e2.0	2.4	2.5	2.2	2.0	1.9	1.4	0.81	0.31	1.9	0.78	e2.5
24	2.0	2.5	2.4	2.2	2.0	1.9	1.3	0.75	0.28	1.8	0.78	1.4
25	2.0	2.8	2.4	2.1	2.0	1.9	1.3	0.75	0.28	1.8	0.78	1.4
26	2.0	2.8	2.4	1.9	2.0	1.9	1.3	0.71	0.27	9.9	0.76	1.4
27	2.0	2.8	2.4	1.9	2.0	1.9	1.3	0.66	0.26	4.9	0.76	1.4
28	2.0	2.6	2.2	1.9	1.9	1.9	1.3	0.66	0.24	4.8	0.82	1.4
29	2.0	2.6	2.2	2.0	1.9	1.9	1.3	0.65	0.26	3.7	0.92	1.4
30	2.1	2.6	2.2	1.9	---	1.8	1.3	0.63	1.4	1.9	1.1	1.3
31	2.1	---	2.2	1.8	---	1.7	---	0.63	---	1.4	1.2	---
Total	75.4	69.4	80.6	62.6	59.1	59.8	45.2	31.86	13.13	96.39	42.31	232.1
Mean	2.43	2.31	2.60	2.02	2.04	1.93	1.51	1.03	0.44	3.11	1.36	7.74
Max	2.9	2.8	3.2	2.2	2.2	2.1	1.7	3.0	1.4	12	9.3	43
Min	2.0	2.1	2.2	1.8	1.9	1.7	1.3	0.63	0.24	0.46	0.73	1.3
Ac-ft	150	138	160	124	117	119	90	63	26	191	84	460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	26.1	3.21	2.99	3.05	2.87	2.66	5.66	8.35	17.2	12.6	20.0	20.9
Max	748	18.9	7.99	8.57	8.77	9.44	135	233	281	166	326	303
(WY)	(1956)	(1979)	(1987)	(1987)	(1987)	(1987)	(1954)	(1941)	(1938)	(1952)	(1966)	(1978)
Min	0.00	0.00	0.00	0.00	0.13	0.42	0.23	0.00	0.00	0.00	0.00	0.00
(WY)	(1952)	(2002)	(2002)	(2002)	(1966)	(1993)	(1968)	(2001)	(1950)	(1947)	(1983)	(1953)

08408500 DELAWARE RIVER NEAR RED BLUFF, NM—Continued**SUMMARY STATISTICS**

	Calendar Year 2007	Water Year 2008	Water Years 1938 - 2008
Annual total	2,029.5	867.89	
Annual mean	5.56	2.37	10.5
Highest annual mean			66.1
Lowest annual mean			0.71
Highest daily mean	401	Sep 11	43 Sep 8
Lowest daily mean	1.1	Jun 1	0.24 Jun 28
Annual seven-day minimum	1.2	May 26	0.27 Jun 23
Maximum peak flow			186 Sep 8
Maximum peak stage			4.32 Sep 8
Instantaneous low flow			0.24 Jun 20
Annual runoff (ac-ft)	4,030	1,720	7,620
10 percent exceeds	5.8	2.9	6.8
50 percent exceeds	2.2	2.0	2.0
90 percent exceeds	1.5	0.62	0.00

^aFrom rating curve extended above 6,500 ft³/s, on basis of slope-area measurement at gage heights 12.84 ft, 17.55 ft, and 27.0 ft.

^bFrom floodmarks.

^cNo flow most days.

